

Copolymers of ethylene with C₃-C₁₂ α -olefins

Abstract

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Copolymers of ethylene with C₃-C₁₂ α -olefins have a polydispersity MW/Mn of ≤ 10 , a density of from 0.85 to 0.95 g/cm³, a proportion of from 1 to 40% by weight of comonomer and a molar mass Mn above 150,000 g/mol and a comonomer composition distribution breadth index above 70%. A process for their preparation is described, as are their use and fibers, moldings, films and polymer mixtures comprising these copolymers.

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